

L Number	Hits	Search Text	DB	Time stamp
1	2	"2002330820"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/12 10:05
2	199515	(sadaoka or katsube or takechi or takeda or matsumoto).inv. or (sadaoka or katsube or takechi or takeda or matsumoto) or daio near paper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/12 10:06
3	3	((sadaoka or katsube or takechi or takeda or matsumoto).inv. or (sadaoka or katsube or takechi or takeda or matsumoto) or daio near paper) and sebum\$10 and (hydroxyapatite\$10 or apatite\$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/12 10:06

L Number	Hits	Search Text	DB	Time stamp
1	7	(apatite or hydroxyapatite) and oxidiz\$10 near5 (oil or oils or sebum)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 08:36
2	7	(apatite or hydroxyapatite) and oxidiz\$10 near5 (oil or oils or sebum or lipid near peroxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 09:02
3	1080	424/602 or 424/683 and 424/602 or 514/951	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 09:02
4	1286	424/602 or 424/683 or 424/602 or 514/951	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 09:02
5	2	(424/602 or 424/683 or 424/602 or 514/951) and (peroxid\$10 or oxidiz\$10) near5 (sebu\$10 or oil or seba\$10 or lipid\$10 or fat) and (apatite\$10 or hydroxyapatite\$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 09:07
6	101	(peroxid\$10 or oxidiz\$10) near5 (sebu\$10 or oil or seba\$10 or lipid\$10 or fat) and (apatite\$10 or hydroxyapatite\$10)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/12 09:07

=> d his ful

(FILE 'HOME' ENTERED AT 10:07:43 ON 12 JUN 2004)

FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISCTI, ADISINSIGHT, ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS, CBNB, CEN, CIN, CONFSCI, DISSABS, DGENE, DIOGENES, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, ESBIODBASE, ...' ENTERED AT 10:08:02 ON 12 JUN 2004

L1 303610 SEA (SADAOKA OR KATSUBE OR TAKECHI OR TAKEDA OR MATSUMOTO)/INV
OR (SADAOKA OR KATSUBE OR TAKECHI OR TAKEDA OR MATSUMOTO)/AU
OR (SADAOKA OR KATSUBE OR TAKECHI OR TAKEDA OR MATSUMOTO) OR
(SADAOKA OR KATSUBE OR TAKECHI OR TAKEDA OR MATSUMOTO)/BI
L2 305428 SEA L1 OR DAIO PAPER OR DAIO PAPER/BI OR DAIO PAPER/PA OR DAIO
PAPER/AS
L3 390 SEA L2 AND (APATITE? OR HYDROXYAPATIT?)
L*** DEL 97422 S 3 AND (SEBU? OR SEBA?)
L4 95 SEA L3 AND (SEBU? OR SEBA?)
L5 92 DUP REM L4 (3 DUPLICATES REMOVED)
D 1-
D 21 IALL

=> d his ful

(FILE 'HOME' ENTERED AT 08:36:42 ON 12 JUN 2004)

FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISCTI, ADISINSIGHT, ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS, CBNB, CEN, CIN, CONFSCI, DISSABS, DGENE, DIOGENES, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, ESBIODBASE, ...' ENTERED AT 08:41:09 ON 12 JUN 2004

L1 19 SEA OXIDIZ? (5A) (SEBUM OR OIL OR OILS) AND (APATITE? OR
HYDROXYAPATITE?)
L2 19 DUP REM L1 (0 DUPLICATES REMOVED)
D 1-
L3 135 SEA (PEROXID? OR OXIDIZ?) (5A) (SEBU? OR OIL OR OILS OR SEBA?
OR LIPID? OR FAT OR FATS) AND (APATITE? OR HYDROXYAPATITE?)
L4 126 DUP REM L3 (9 DUPLICATES REMOVED)
D 1-
D 124 IALL
D 116 KWIC
D 102 IALL
D 99 KWIC
D 87 IALL
D 59 IALL
D 41 IALL

L5 ANSWER 21 OF 92 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:108063 CAPLUS

DOCUMENT NUMBER: 138:142211

ENTRY DATE: Entered STN: 12 Feb 2003

TITLE: Two-layer cosmetic pulp sheets containing sizes and fillers

INVENTOR(S): Takechi, Shinichi; Kuroki, Shigenori

PATENT ASSIGNEE(S): Daio Paper Corporation, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

INT. PATENT CLASSIF.:

MAIN: A45D044-00

SECONDARY: A45D033-38; A47K007-00; B32B023-10; B32B023-14;

B32B027-32; B32B033-00; D21H013-14; D21H027-00

CLASSIFICATION: 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 43

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003038248	A2	20030212	JP 2001-233280	20010801
PRIORITY APPLN. INFO.:			JP 2001-233280	20010801

ABSTRACT:

The sheets have the 1st layer comprising natural pulp- or synthetic olefin pulp-based materials containing sizes and the 2nd layer comprising natural pulp-based materials containing fillers. A cosmetic sheet comprising a natural pulp-based 1st layer containing 30 weight% SWP (synthetic olefin pulp) and 1.5 weight%

(based on pulp) AS 261 (size) and a natural pulp-based 2nd layer containing 30 weight%

SWP and 15 weight% (based on pulp) **apatite** showed good water absorption, oil absorption, softness, and retention of face powder liquid

SUPPL. TERM: size filler pulp olefin cosmetic sheet; **apatite**
filler size cosmetic sheet pulp; **sebum** absorption
cosmetic pulp sheet size

INDEX TERM: Cosmetics
(face powders; two-layer cosmetic pulp sheets containing sizes and fillers in sep. layers for **sebum** absorption and face powder application)

INDEX TERM: Paper
(laminates; two-layer cosmetic pulp sheets containing sizes and fillers in sep. layers for **sebum** absorption and face powder application)

INDEX TERM: Laminated materials
(paper; two-layer cosmetic pulp sheets containing sizes and fillers in sep. layers for **sebum** absorption and face powder application)

INDEX TERM: Polyolefins
ROLE: COS (Cosmetic use); BIOL (Biological study); USES
(Uses)
(pulp; two-layer cosmetic pulp sheets containing sizes and fillers in sep. layers for **sebum** absorption and face powder application)

INDEX TERM: Cellulose pulp
Fillers
Sebum
Sizes (agents)
(two-layer cosmetic pulp sheets containing sizes and fillers in sep. layers for **sebum** absorption and face

powder application)
INDEX TERM: 9002-88-4, SWP
ROLE: COS (Cosmetic use); BIOL (Biological study); USES
(Uses)
(pulp; two-layer cosmetic pulp sheets containing sizes and
fillers in sep. layers for **sebum** absorption and
face powder application)
INDEX TERM: 1306-06-5, **Hydroxyapatite** 7631-86-9, Silica,
biological studies 14807-96-6, Talc, biological studies
197179-26-3, AS 261
ROLE: COS (Cosmetic use); MOA (Modifier or additive use);
BIOL (Biological study); USES (Uses)
(two-layer cosmetic pulp sheets containing sizes and fillers
in sep. layers for **sebum** absorption and face
powder application)

L4 ANSWER 41 OF 126 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2002:873586 CAPLUS
 DOCUMENT NUMBER: 137:375018
 ENTRY DATE: Entered STN: 19 Nov 2002
 TITLE: Sebum-absorbing cosmetic paper with controlled basis weight and density
 INVENTOR(S): Shigetomi, Masashige; Takechi, Shinichi; Kuroki, Shigenori
 PATENT ASSIGNEE(S): Daio Paper Corporation, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 INT. PATENT CLASSIF.:
 MAIN: A45D044-00
 SECONDARY: A47K007-00; D21H017-06; D21H017-67; D21H027-00
 CLASSIFICATION: 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 43
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002330820	A2	20021119	JP 2001-140933	20010511
PRIORITY APPLN. INFO.:			JP 2001-140933	20010511

ABSTRACT:

The paper, which has sufficient sebum-absorbing capacity and appropriate softness, contains fiber materials, oil-absorbing fillers, and 0.1-100% (based on weight of the fiber materials) polyhydric alc. softeners and shows basis weight 8-30 g/m² (JIS P-8124) and d. 0.40-0.75 g/cm³. A slurry of mixed pulp (coniferous pulp:Manila hemp pulp = 50:50) containing talc (average particle size 3 µm) 10, **hydroxyapatite** (average particle size 3 µm) 10, and Neosfter (softener) 10% was made into cosmetic paper with basis weight 15 g/m² and d. 0.68 g/cm³. The paper showed good absorption for **lipid** ***peroxides*** and was free from tearing during usage.

SUPPL. TERM: sebum absorbing paper basis wt density control; talc
hydroxyapatite filler sebum absorbing paper;
 softener sebum absorbing cosmetic paper

INDEX TERM: Paper
 (absorbent; sebum-absorbing cosmetic paper with controlled basis weight, d., and content of softeners)

INDEX TERM: Absorbents
 (paper; sebum-absorbing cosmetic paper with controlled basis weight, d., and content of softeners)

INDEX TERM: Alcohols, biological studies
 ROLE: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (polyhydric; sebum-absorbing cosmetic paper with controlled basis weight, d., and content of softeners)

INDEX TERM: Manila hemp (Musa textilis)
 (pulp; sebum-absorbing cosmetic paper with controlled basis weight, d., and content of softeners)

INDEX TERM: Cellulose pulp
 Fillers
 Sebum
 Softening agents
 (sebum-absorbing cosmetic paper with controlled basis weight, d., and content of softeners)

INDEX TERM: 1306-06-5, **Hydroxyapatite**
 ROLE: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (filler; sebum-absorbing cosmetic paper with controlled

INDEX TERM: basis weight, d., and content of softeners)
14807-96-6, Talc, biological studies 475232-04-3,
Neosfter
ROLE: COS (Cosmetic use); BIOL (Biological study); USES
(Uses)
(sebum-absorbing cosmetic paper with controlled basis
weight, d., and content of softeners)